DYNACOMP

MOONPROBE

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MOONPROBE*

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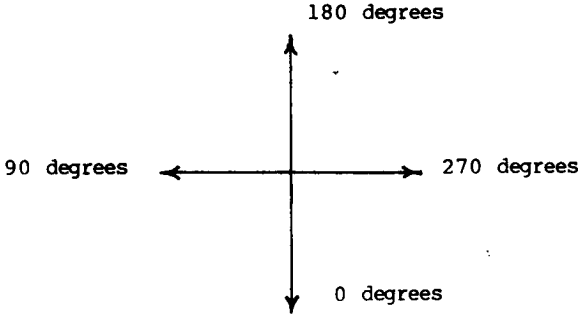
Rochester, NY 14618

MOONPROBE challanges you to not only safely land your spacecraft, but to land it at a predetermined site. You start out orbiting the moon at an altitude of 4000 feet with a forward velocity of 12000 feet per second. The landing site is about 200 miles distant (1000000 feet). There is 17500 pounds of fuel in your tank.

The spacecraft is controlled by adjusting its angle of thrust and the amount of fuel to be expended. By such manuevering, you are to land safely and as close as possible to the landing site.

Instrument readouts will keep you informed as to your altitude, fuel supply, forward velocity, downward velocity and distance to the landing site. You will control the spacecraft's main engine and attitude. You can vary the amount of thrust from 0 lbs to 1000 lbs. You can change the attitude of the vehicle (the direction in which it points, and consequently, the direction of the thrust) to any angle from 0 to 360 degrees. The direction of the thrust for different angles is shown below:



Since the direction of your orbital rotation around the moon is:

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applying thrust at 90 degrees will slow you down. As you slow down, you will begin to drop from orbit. A thrust at 0 degrees will tend to counteract the moon's gravity pull.

If your instruments indicate negative values, this means that you are moving in the opposite direction or that you are past the target etc.

* Atari adaptation by Jerry White, Levittown NY.